FILEID**SYSTARTUP

```
SSSSSSSS  YY      YY   SSSSSSSS  TTTTTTTTTT   AAAAAA   RRRRRRRR   TTTTTTTTTT  UU      UU   PPPPPPPP
SSSSSSSS  YY      YY   SSSSSSSS  TTTTTTTTTT   AAAAAA   RRRRRRRR   TTTTTTTTTT  UU      UU   PPPPPPPP
SS        YY      YY   SS            TT      AA    AA  RR    RR       TT      UU      UU   PP      PP
SS        YY      YY   SS            TT      AA    AA  RR    RR       TT      UU      UU   PP      PP
SS          YY  YY     SS            TT      AA    AA  RR    RR       TT      UU      UU   PP      PP
SS          YY  YY     SS            TT      AA    AA  RR    RR       TT      UU      UU   PP      PP
  SSSSSS      YY         SSSSSS      TT      AA    AA  RRRRRRRR       TT      UU      UU   PPPPPPPP
  SSSSSS      YY         SSSSSS      TT      AA    AA  RRRRRRRR       TT      UU      UU   PPPPPPPP
        SS    YY              SS     TT   AAAAAAAAAA  RR  RR          TT      UU      UU   PP
        SS    YY              SS     TT   AAAAAAAAAA  RR  RR          TT      UU      UU   PP
        SS    YY              SS     TT      AA    AA  RR    RR       TT      UU      UU   PP          ....
        SS    YY              SS     TT      AA    AA  RR    RR       TT      UU      UU   PP          ....
SSSSSSSS      YY         SSSSSSSS    TT      AA    AA  RR    RR       TT      UUUUUUUUUU   PP          ....
SSSSSSSS      YY         SSSSSSSS    TT      AA    AA  RR    RR       TT      UUUUUUUUUU   PP          ....


  CCCCCCCC      000000     MM      MM
  CCCCCCCC      000000     MM      MM
CC            00      00   MMMM  MMMM
CC            00      00   MMMM  MMMM
CC            00      00   MM  MM  MM
CC            00      00   MM  MM  MM
CC            00      00   MM      MM
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CC            00      00   MM      MM
CC            00      00   MM      MM
CC            00      00   MM      MM
CC            00      00   MM      MM
  CCCCCCCC      000000     MM      MM
  CCCCCCCC      000000     MM      MM
```

```
$ WRITE SYS$OUTPUT ""
$ WRITE SYS$OUTPUT "The MicroVMS system is now executing the site-specific startup commands."
$ WRITE SYS$OUTPUT ""
$
$! This is a template command procedure.  You may change anything as
$! you see fit for your system.  If you want to change definitions of
$! symbols defined in other startup procedures, you should do so by
$! redefining the symbols in this procedure--not by changing the other
$! procedures that will be re-distributed with each release of MicroVMS.
$
$! Normally, the error logger and the operator communication processes
$! are not created on a MicroVMS system, to minimize physical memory and
$! disk block usage.  Remove the comment delimiters from the following
$! lines if you wish to create these processes.
$!@SYS$SYSTEM:STARTUP ERRFMT
$!@SYS$SYSTEM:STARTUP OPCOM
$
$! Turn off account logging and delete the log.  Remove these lines if
$! you want to keep an account log on your system.
$ SET ACCOUNTING/DISABLE
$ IF F$SEARCH("SYS$MANAGER:ACCOUNTNG.DAT") .NES. "" THEN -
    DELETE SYS$MANAGER:ACCOUNTNG.DAT;*
$
$! Purge any operator and network logs back to two versions.
$ IF F$SEARCH("SYS$MANAGER:OPERATOR.LOG") .NES. "" THEN -
    PURGE SYS$MANAGER:OPERATOR.LOG
$ IF F$SEARCH("SYS$MANAGER:EVL.LOG") .NES. "" THEN -
    PURGE SYS$MANAGER:EVL.LOG
$
$! Define system-wide login command procedure invoked for all users.
$ DEFINE /SYSTEM /EXEC SYS$SYLOGIN SYS$MANAGER:SYLOGIN.COM
$
$! Define system announcement message before each user logs in.
$ DEFINE /SYSTEM SYS$ANNOUNCE " Welcome to MicroVMS V4.0"
$
$! Define system announcement message after each user logs in.
$ DEFINE /SYSTEM SYS$WELCOME "@SYS$MANAGER:WELCOME.TXT"
$
$! Remove the comment delimiter in the next command, to start the
$! queue manager, if you are going to have either print or batch queues.
$! START/QUEUE/MANAGER
$
$! Set up print queue -- commented out below.
$! Remove comment delimiters if you have installed queues from the
$! Secure User Environment Option and want a print queue set up.
$
$! Your print device can be either a line printer or a hard-copy terminal.
$! There are different commands depending upon what you use for a print device.
$
$! First define $PRINTER to name the device you will use for printing.
$! DEFINE /SYSTEM $PRINTER  $TERMINAL0   ! if terminal
$! DEFINE /SYSTEM $PRINTER  _LPA0:       ! if line printer
$
$! Set the printer characteristics if you will be printing on a line printer.
$! SET PRINTER /NOWRAP /NOTRUNCATE /CR $PRINTER
$
```

```
$! Set the terminal characteristics if a you will be printing on a terminal.
$! Some terminal characteristics vary, depending upon the type of terminal
$! being used.  These include:  speed, width, length, and device type.
$! SET TERMINAL $PRINTER /PERMANENT /NOBROADCAST /NOTYPEAHEAD /NOWRAP -
$!     /SPEED=(1200) /WIDTH=(132) /LENGTH=(66) /DEVICE_TYPE=(LA100)
$
$! Set your printing device spooled to the queue SYS$PRINT.
$! SET DEVICE /SPOOLED=(SYS$PRINT, SYS$SYSDEVICE:) $PRINTER
$
$! Start the queue manager and the print queue.  You may want to specify
$! a flag page if you have a line printer for a printing device.
$! INITIALIZE /QUEUE /START /ON=$PRINTER SYS$PRINT          ! if terminal
$! INITIALIZE /QUEUE /START /ON=$PRINTER SYS$PRINT /DEFAULT=FLAG ! if line printer
$
$! Set up batch queue -- commented out initially.
$! Remove comment delimiters if you have installed queues from the
$! Secure User Environment Option and want a batch queue set up.
$! INITIALIZE /QUEUE /START SYS$BATCH /BATCH /JOB:3 /BASE_PRIORITY=3
$
$! If you install some of these optional utilities onto your system,
$! then you should remove the comment delimiter from the RUN command, and the
$! "$!" from the appropriate utilities and install them as specified below.
$! You might want to add the "/shared" qualifier, if you have multiple
$! users on your system.  (Utilities that are installed shared, have the
$! characteristic that if two users are running the same utility at the
$! same time, then they share the same pages in memory, rather than each
$! having a private copy.)
$! RUN SYS$SYSTEM:INSTALL
$!sys$system:analimdmp           /priv=(cmexec,cmkrnl)
$!sys$system:mail               /open/header/priv=(sysprv,oper,world,netmbx)
$!sys$system:monitor            /priv=(cmkrnl)
$!sys$system:phone              /priv=(netmbx,oper,prmmbx,world,sysnam)
$!sys$system:request            /priv=(tmpmbx)
$!sys$system:rtpad              /priv=(tmpmbx)
$!sys$system:submit             /open/header/priv=(tmpmbx)
$
$! If your system has multiple users and you have more than 1MB of memory,
$! you might want to install some or all of the following utilities as shared.
$! Installing an utility "/open/header" requires two pages of memory and
$! causes one less disk access when you run that utility.  Installing an
$! utility "/shared" requires global sections and global page table space.
$! If you install many things "/shared", you may need to increase some
$! system parameters in SYS$MANAGER:MODPARAMS.DAT, namely, GBLSECTIONS
$! and GBLPAGES.
$! RUN SYS$SYSTEM:INSTALL
$!sys$system:copy               /open/header/shared
$!sys$system:delete             /open/header/shared
$!sys$system:edt                /open/header/shared
$!sys$system:rename             /open/header/shared
$!sys$system:search            /open/header/shared
$!sys$system:type               /open/header/shared
$!sys$system:vmshelp            /open/header/shared
$
$! You might want to re-install some of the utilities installed by the MicroVMS
$! boot procedures as shared.  Rather than change SYS$MANAGER:VMSIMAGES.DAT,
$! you should re-install them here, as in the following example:
```

```
$! RUN SYS$SYSTEM:INSTALL
$!sys$library:librtl                /delete
$!sys$library:librtl                /open/header/shared
$
$! Since the math routines of the run-time library are based on which floating
$! point data type is implemented in microcode, the following will determine
$! which file is installed and re-install it shared.
$! D_IN_HARDWARE = F$GETSYI("G_FLOAT_EMULATED")
$! IF D-IN_HARDWARE THEN GOTO RE_INSTALL_D
$RE_INSTALL_G:
$! RUN SYS$SYSTEM:INSTALL
$!SYS$LIBRARY:UVMTHRTL               /delete
$!SYS$LIBRARY:UVMTHRTL               /open/header/shared
$! GOTO RE_INSTALL_DONE
$RE_INSTALL_D:
$! RUN SYS$SYSTEM:INSTALL
$!SYS$LIBRARY:MTHRTL                 /delete
$!SYS$LIBRARY:MTHRTL                 /open/header/shared
$RE_INSTALL_DONE:
$
$! Start up DECnet if it is installed.  You must have already set up
$! the DECnet node database as described in the MicroVMS documentation,
$! otherwise you will get errors stating th the database is not initialized.
$!
$! If you are using asynchronous DECnet, then you have to set the terminal
$! line characteristics first, as in the next SET TERMINAL command commented
$! out below.  You should change the command to specify the terminal line
$! that you are using.  Be sure to remove the SET TERMINAL command from
$! Reminder:  The SET TERMINAL command must also be issued on the routing
$! node that you are connecting to specifying the terminal line being used
$! on that side.)
$! SET TERMINAL $TERMINAL1 /PERMANENT /NOAUTOBAUD /SPEED=9600 /PROTOCOL=DDCMP
$
$ IF F$SEARCH("SYS$MANAGER:STARTNET.COM") .NES. '"' THEN @SYS$MANAGER:STARTNET
$! IF F$SEARCH("SYS$MANAGER:STARTNET.COM") .NES. '"' - !This is faster, if you
$!        THEN SUBMIT SYS$MANAGER:STARTNET.COM          !have batch queues set up.
$
$! Report that the installation was successful and that you can now log in.
$
$ IF F$SEARCH("SYS$MANAGER:SUCCESS.TXT") .NES. '"' THEN -
        TYPE SYS$MANAGER:SUCCESS.TXT
$ IF F$SEARCH("SYS$MANAGER:SUCCESS.TXT") .NES. '"' THEN -
        DELETE SYS$MANAGER:SUCCESS.TXT;*
```

WELCOME
TXT

LOGIN
COM

SYSTARTUP
COM

XQBOOT
LIS

EDTINI
EDT

REMOVE
COM

VERIFY
LIS

VERIFY

LVMS

UVSTARTUP
COM

VERIFY
MAP

ADDUSER
COM

MODPARAMS
DAT

RESTUSER
COM

BACKUSER
COM

SUCCESS
TXT

SYLOGIN
COM